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JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

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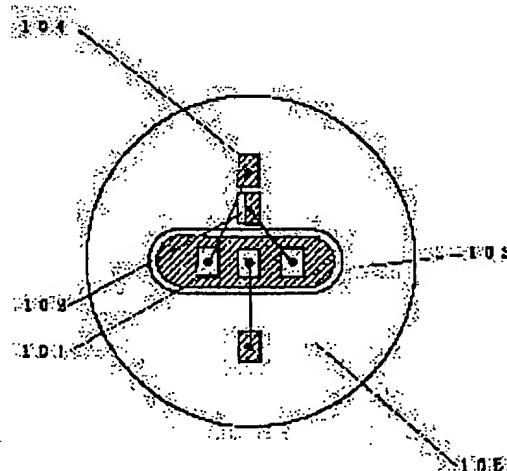
YAMADA GENRIYOU

(54) OPTICAL SEMICONDUCTOR DEVICE AND LIGHT-EMITTING DEVICE USING THEREOF

(57)Abstract:

**PROBLEM TO BE SOLVED:** To prevent the contact of a bonding wire, to facilitate bonding and to improve optical characteristics and reliability by a method wherein the loop shape of each conductive wire connected to an inner lead from an optical semiconductor chip and the angle at which each wire is led in, are substantially made equal.

**SOLUTION:** A mounting lead 105, where a plurality of optical semiconductor chips 101 are arranged, and a plurality of inner leads 104, which are electrically connected to the optical semiconductor chips 101 by a conductive wire, are provided. The loop shape of each conductive wire connected to the inner leads 104 from the optical semiconductor chips 101 and the angle at which each wire is led in, are substantially made equal. Also, when a plurality of optical semiconductor chips 101, which can be driven independently, are arranged on the mounting lead 105, the top part of the inner leads 104 is made larger from the inner leads close to the mounting lead 105 in the direction of the inner lead separated from them, and the top part of the inner leads is made low.



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